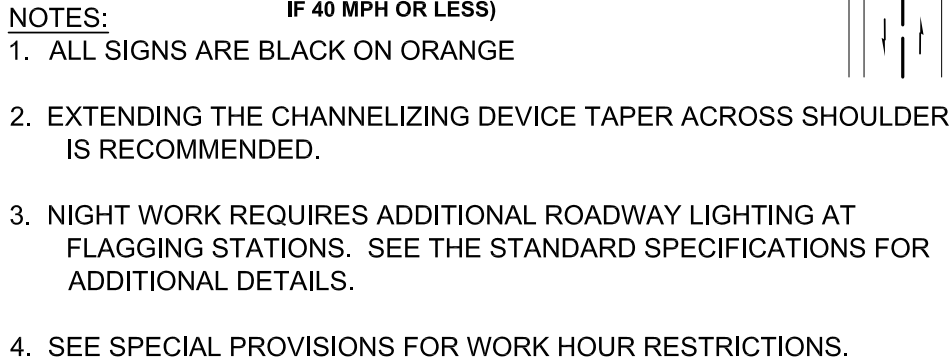


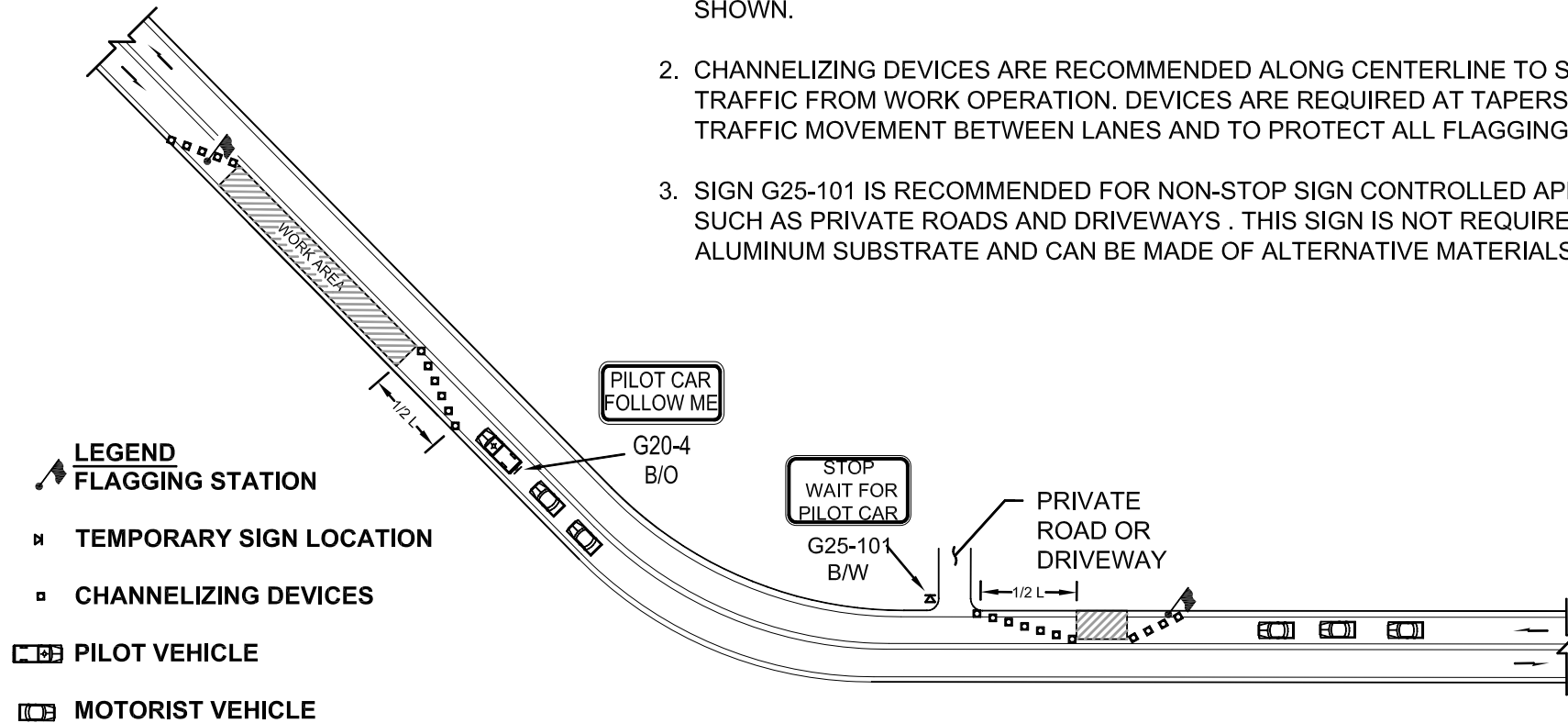
SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'+
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'+ (2)
URBAN STREETS	25 MPH OR LESS	100'+ (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



NOTES:

1. REFER TO SHEET TC1 FOR ADDITIONAL SIGNING AND FLAGGING DETAILS NOT SHOWN.
2. CHANNELIZING DEVICES ARE RECOMMENDED ALONG CENTERLINE TO SEPARATE TRAFFIC FROM WORK OPERATION. DEVICES ARE REQUIRED AT TAPERS TO SHIFT TRAFFIC MOVEMENT BETWEEN LANES AND TO PROTECT ALL FLAGGING STATIONS.
3. SIGN G25-101 IS RECOMMENDED FOR NON-STOP SIGN CONTROLLED APPROACHES SUCH AS PRIVATE ROADS AND DRIVEWAYS. THIS SIGN IS NOT REQUIRED TO BE ALUMINUM SUBSTRATE AND CAN BE MADE OF ALTERNATIVE MATERIALS.



MINIMUM TAPER LENGTH = L (feet)				
LANE WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35/ 45	10 to 20	60
25/ 30	10 to 20	40

902

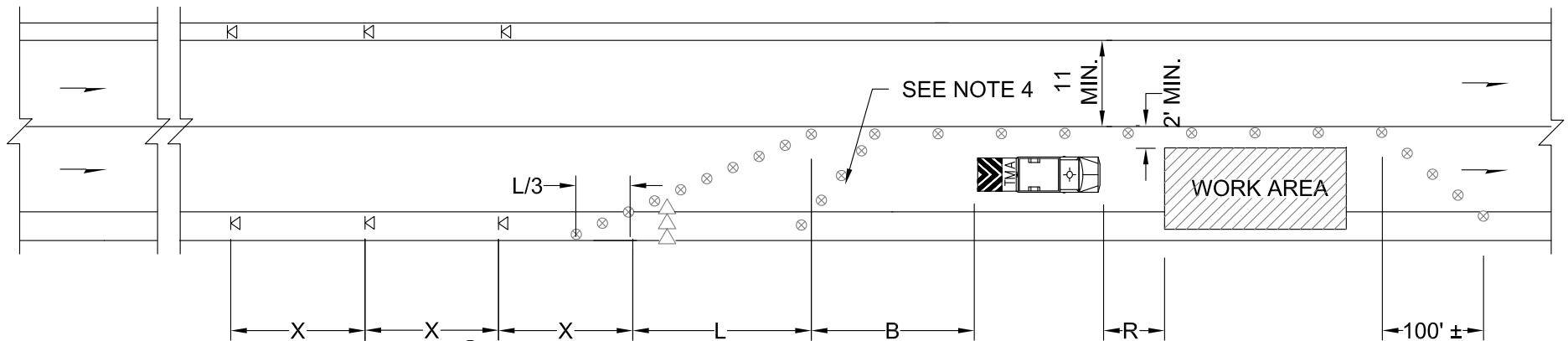
Pilot Car Operation




Public Works

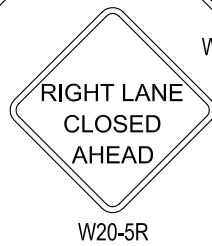
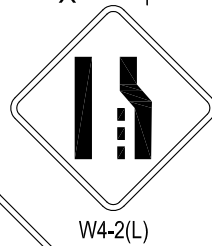
NOT TO SCALE

Revision Date
April 2017



NOTES:

1. NO FLAGGERS OR SPOTTERS.
2. EXTEND DEVICE TAPER AT $L/3$ ACROSS SHOULDER.
3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
4. USE TRAVERSE DEVICES IN CLOSED LANE EVERY 1000' (RECOMMENDED).
5. DEVICES SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
6. ALL SIGNS ARE BLACK ON ORANGE.
7. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.



MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)				
LANE WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)				
SHOULDER WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
8	40	40	60	90
10	40	60	90	90

LEGEND

⊗ **TEMPORARY SIGN LOCATION**

⊗ **TRAFFIC SAFETY DRUM**

▷▷▷ **SEQUENTIAL ARROW SIGN**

⊗ **PORTABLE ATTENUATOR**

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35/ 45	30	60
25/ 30	20	40

BUFFER DATA			
LONGITUDINAL BUFFER SPACE = B			
SPEED (MPH)	25	30	35 40
LENGTH (feet)	155	200	250 305
BUFFER VEHICLE ROLL AHEAD DISTANCE = R			
TRANSPORTABLE ATTENUATOR	30	FEET	
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION	100	FEET	
	MAX		

SIGN SPACING = X (1)		
RUR/	RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH 350'+
RUR/ RESI	RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH 200'+ (2)
DIST	URBAN STREETS	25 MPH OR LESS 100'+ (2)
URB/		
(1) AI	(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.	
(2) TI	(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.	
TO F		

903

Single-lane Closure for Multi-lane Roadways

Public Works

NOT TO SCALE

Revision Date
April 2017

SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'± (2)
URBAN STREETS	25 MPH OR LESS	100'± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

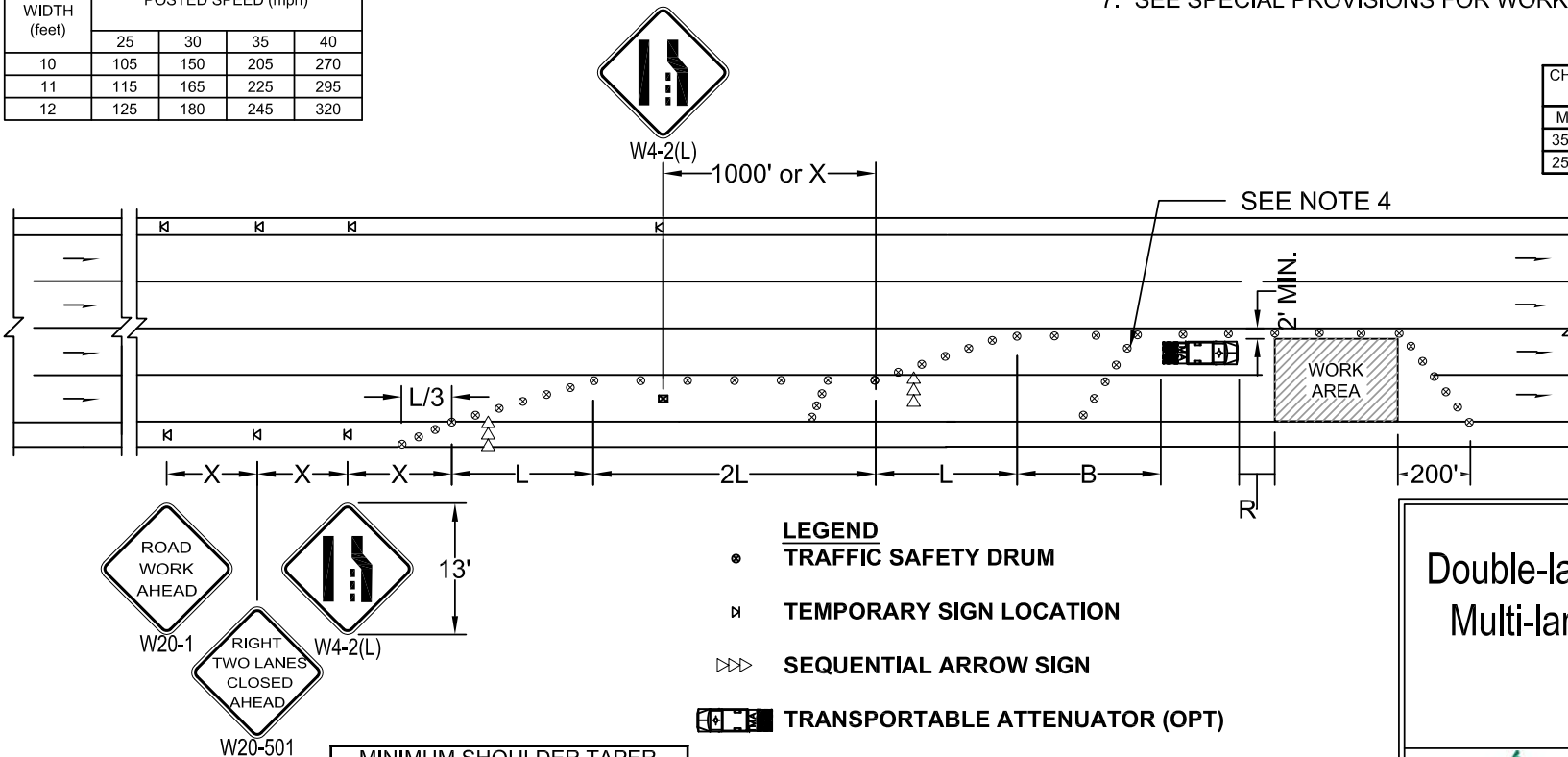
BUFFER DATA				
LONGITUDINAL BUFFER SPACE = B				
SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305
BUFFER VEHICLE ROLL AHEAD DISTANCE = R				
TRANSPORTABLE ATTENUATOR				30 FEET MIN TO 100 FEET MAX
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION				

NOTES:

1. NO FLAGGERS OR SPOTTERS.
2. EXTEND DEVICE TAPER AT $L/3$ ACROSS SHOULDER.
3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
4. USE TRAVERSE DEVICES IN CLOSED LANE EVERY 1000' (RECOMMENDED).
5. DEVICES SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
6. ALL SIGNS ARE BLACK ON ORANGE.
7. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)				
LANE WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35/ 45	30	60
25/ 30	20	40



MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)				
SHOULDER WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
8	40	40	60	90
10	40	60	90	90

904

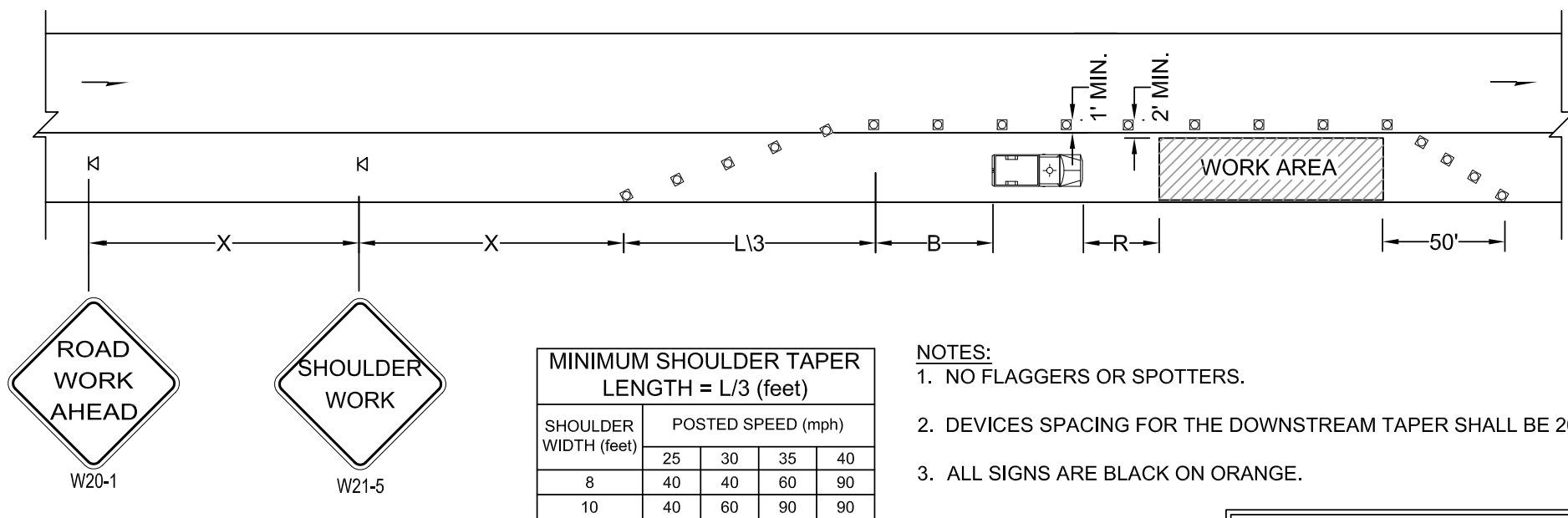
Double-lane Closure for Multi-lane Roadways

Public Works
NOT TO SCALE

Revision Date
April 2017

BUFFER DATA				
LONGITUDINAL BUFFER SPACE = B				
SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305
BUFFER VEHICLE ROLL AHEAD DISTANCE = R				
PROTECTIVE VEHICLE			NO SPECIFIED DISTANCE REQUIRED	
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA				

BUFFER DATA				
LONGITUDINAL BUFFER SPACE = B				
SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305
BUFFER VEHICLE ROLL AHEAD DISTANCE = R				
PROTECTIVE VEHICLE			NO SPECIFIED DISTANCE REQUIRED	
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA				



MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)				
SHOULDER WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
8	40	40	60	90
10	40	60	90	90

NOTES:

1. NO FLAGGERS OR SPOTTERS.
2. DEVICES SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
3. ALL SIGNS ARE BLACK ON ORANGE.

- LEGEND**
- K TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35/ 45	30	60
25/ 30	20	40

905

Shoulder Closure - Low Speed (40 mph or less)

Public Works

NOT TO SCALE

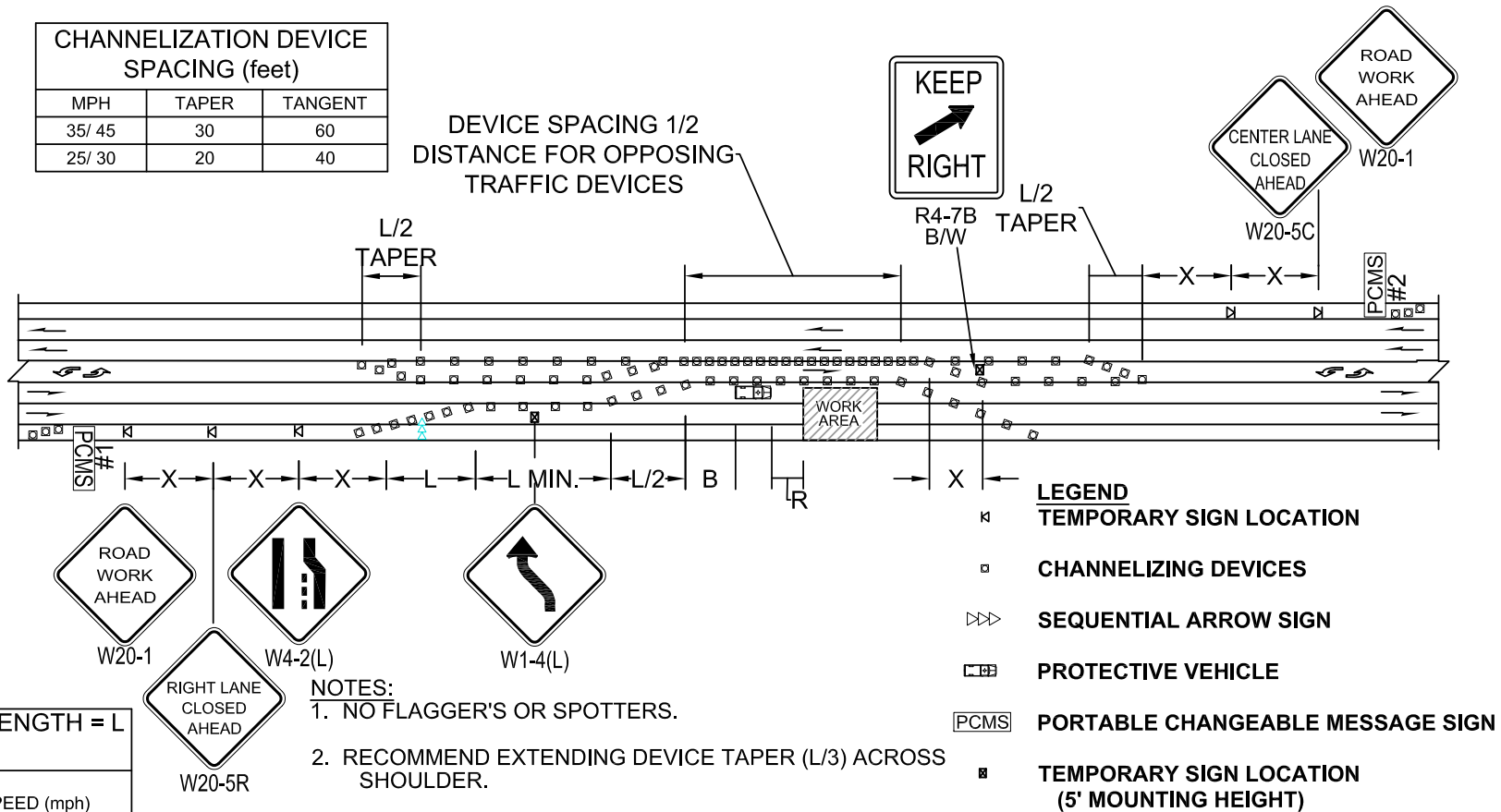
Revision Date
April 2017

PCMS #2	
1	2
CENTER LANE CLOSED	NO LEFT TURNING
2.0 SEC	2.0 SEC

FIELD LOCATE IN
ADVANCE OF TEMPORARY
SIGNS. (OPT)

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35/ 45	30	60
25/ 30	20	40

DEVICE SPACING 1/2
DISTANCE FOR OPPOSING
TRAFFIC DEVICES



MINIMUM TAPER LENGTH = L (feet)				
LANE WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320

NOTES:

1. NO FLAGGER'S OR SPOTTERS.
2. RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
3. FOR POSTED SPEED LIMITS OF 30 MPH OR LESS, USE SIGN W1-3 IN LIEU OF SIGN W1-4.
4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
5. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

BUFFER DATA				
LONGITUDINAL BUFFER SPACE = B				
SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305
BUFFER VEHICLE ROLL AHEAD DISTANCE = R				
TRANSPORTABLE ATTENUATOR		30 FEET MIN. TO 100 FEET MAX.		
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.				
PROTECTIVE VEHICLE		NO SPECIFIED DISTANCE REQUIRED		
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA				

SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'+ _
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'+ (2)
URBAN STREETS	25 MPH OR LESS	100'+ (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		

906

Right Lane Closure with Shift - 5 Lane Roadway

Public Works
NOT TO SCALE

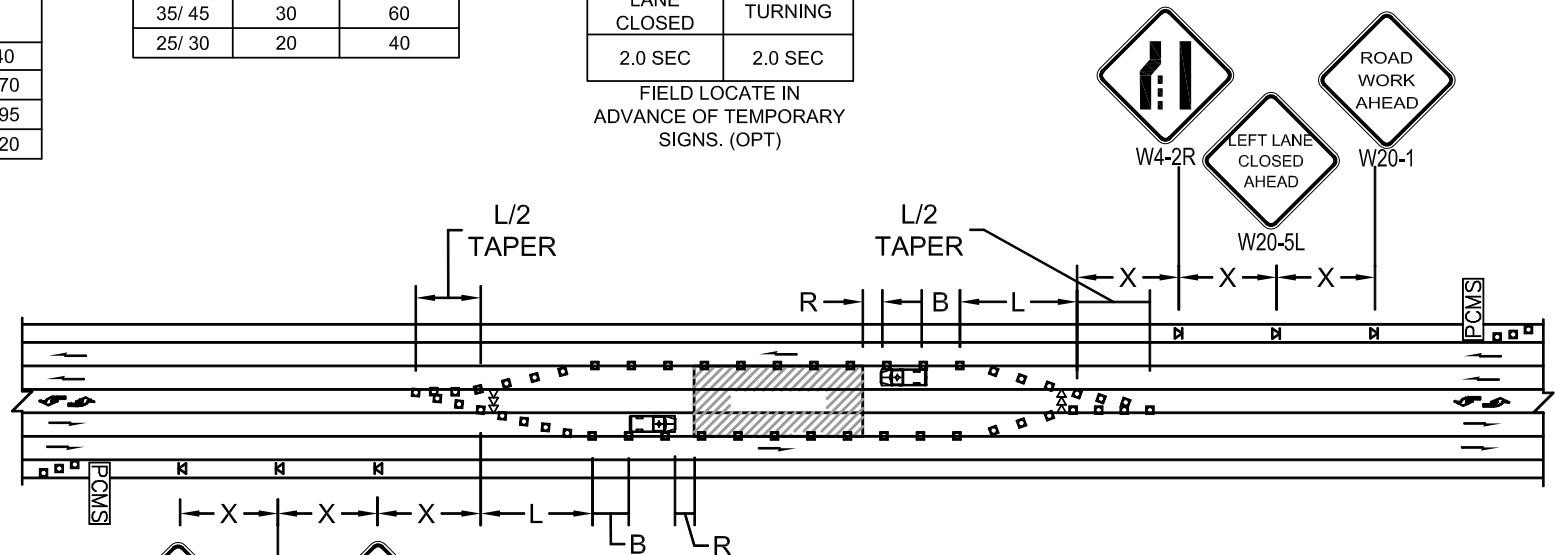
Revision Date
April 2017

MINIMUM TAPER LENGTH = L (feet)				
LANE WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35/ 45	30	60
25/ 30	20	40

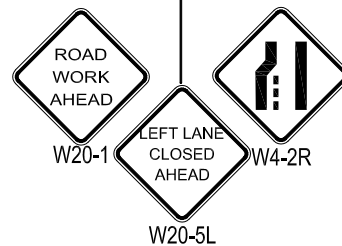
PCMS #2	
1	2
CENTER LANE CLOSED	NO LEFT TURNING
2.0 SEC	2.0 SEC

FIELD LOCATE IN
ADVANCE OF TEMPORARY
SIGNS. (OPT)



NOTES:

1. NO FLAGGER'S OR SPOTTERS.
2. ALL SIGNS ARE BLACK ON ORANGE.
3. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.



LEGEND

- κ TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- ⇒⇒ SEQUENTIAL ARROW SIGN
- ▬ PROTECTIVE VEHICLE
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN

BUFFER DATA				
LONGITUDINAL BUFFER SPACE = B				
SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305
BUFFER VEHICLE ROLL AHEAD DISTANCE = R				
TRANSPORTABLE ATTENUATOR	30 FEET MIN. TO 100 FEET MAX.			
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.				
PROTECTIVE VEHICLE	NO SPECIFIED DISTANCE REQUIRED			
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA				

SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'+
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'+ (2)
URBAN STREETS	25 MPH OR LESS	100'+ (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		

907

Left Lane and Center Turn Lane Closure - 5 Lane Roadway

Public Works

NOT TO SCALE

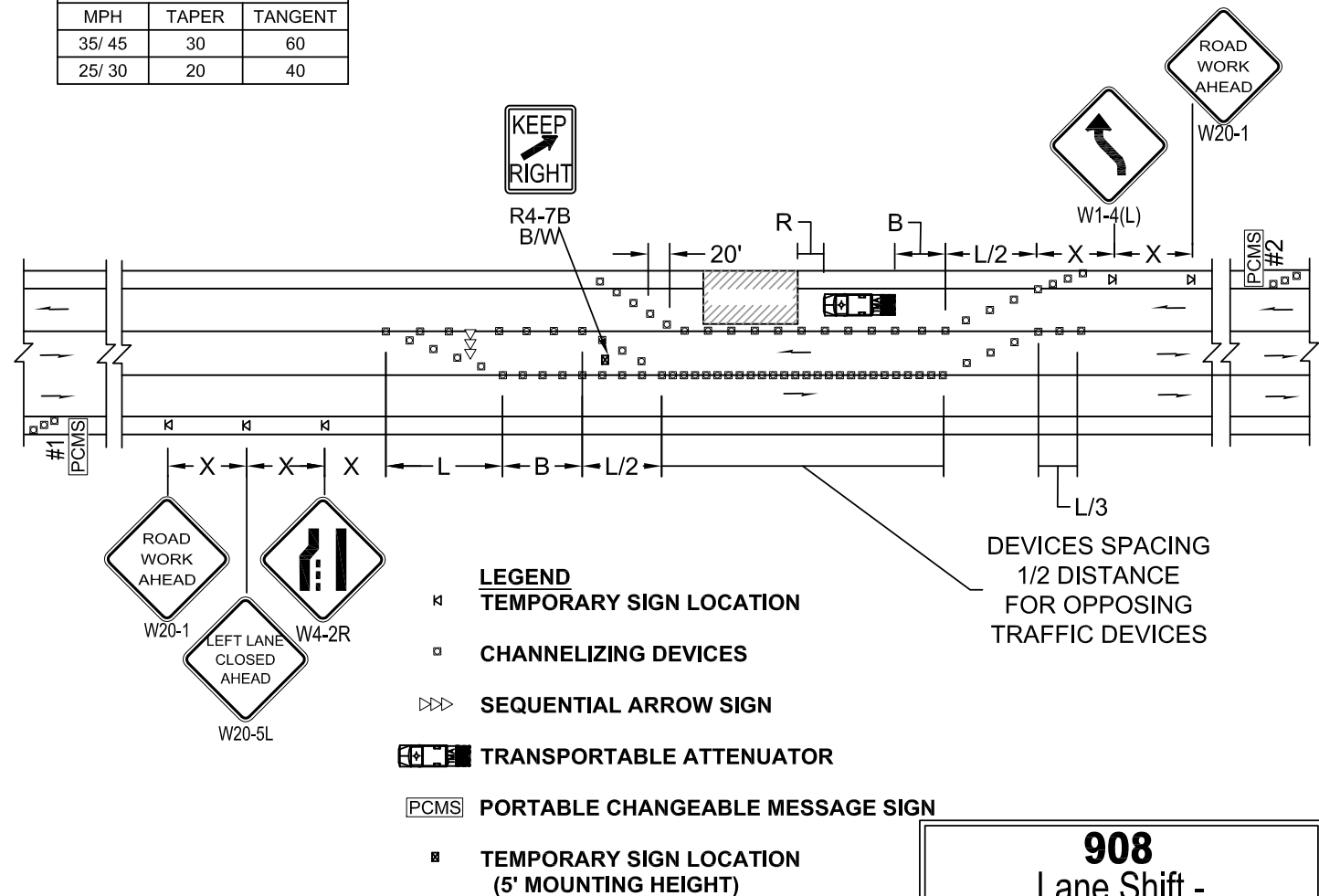
Revision Date
April 2017

MINIMUM TAPER LENGTH = L (feet)				
LANE WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35/ 45	30	60
25/ 30	20	40

NOTES:

1. NO FLAGGERS OR SPOTTERS.
2. FOR SPEED LIMITS OF 30 MPH OR LESS, USE SIGN W1-3 IN LIEU OF SIGN W1-4.
3. RECOMMENDED EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
5. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.



BUFFER DATA				
LONGITUDINAL BUFFER SPACE = B				
SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305
BUFFER VEHICLE ROLL AHEAD DISTANCE = R				
TRANSPORTABLE ATTENUATOR		30 FEET MIN. TO 100 FEET MAX.		
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.				
PROTECTIVE VEHICLE		NO SPECIFIED DISTANCE REQUIRED		
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA				

SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'+
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'+ (2)
URBAN STREETS	25 MPH OR LESS	100'+ (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.		
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		

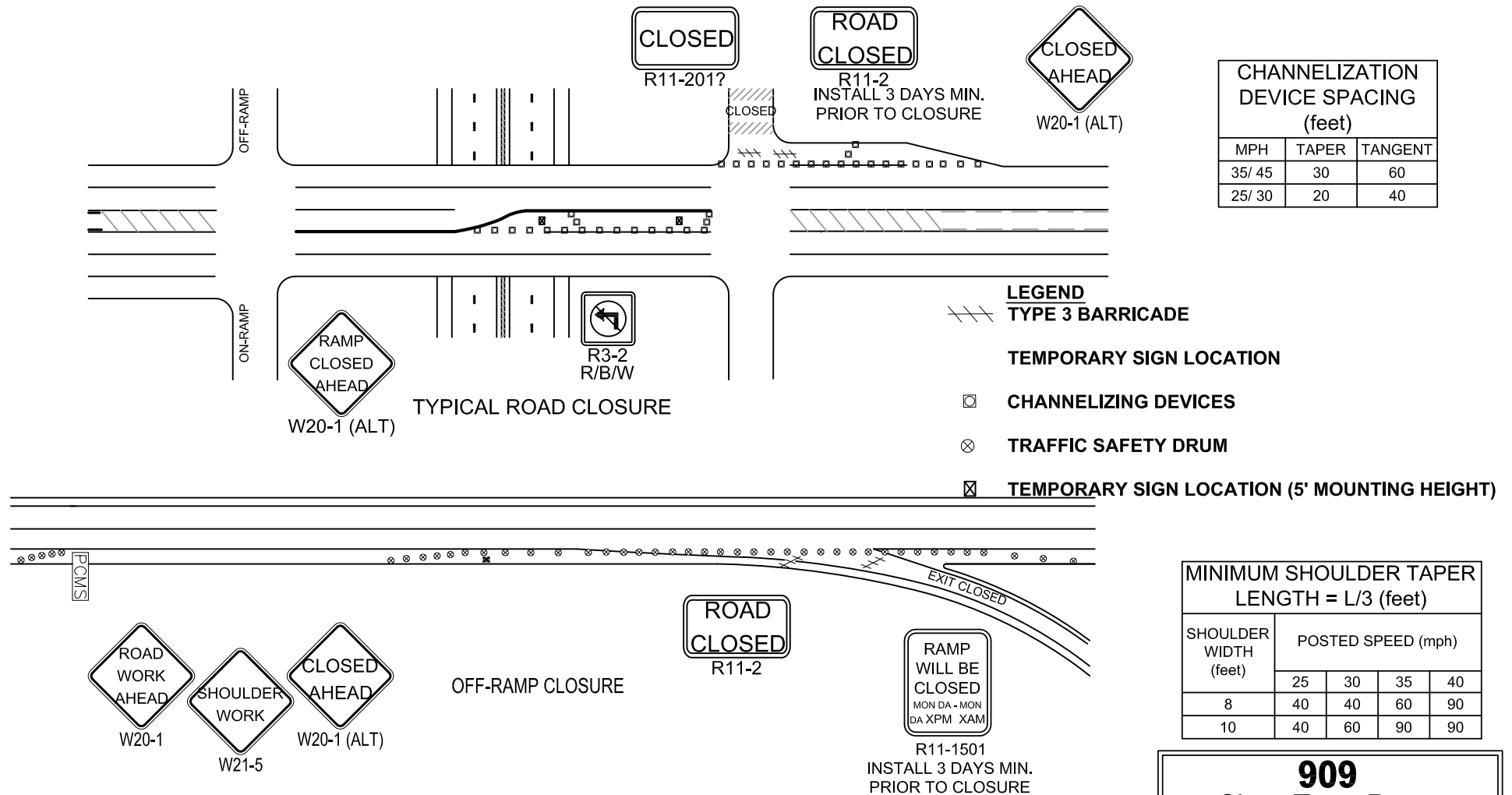
908

Lane Shift - Three Lane Roadway

Public Works

NOT TO SCALE

Revision Date
April 2017



NOTES:

1. NO FLAGGERS OR SPOTTERS.
2. TYPICAL APPLICATION SHOWN, ADJUST FOR SITE CONDITIONS.
3. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
4. SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.

SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'+
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'+ (2)
URBAN STREETS	25 MPH OR LESS	100'+ (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.		
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		

909

Short Term Ramp Closures






Public Works

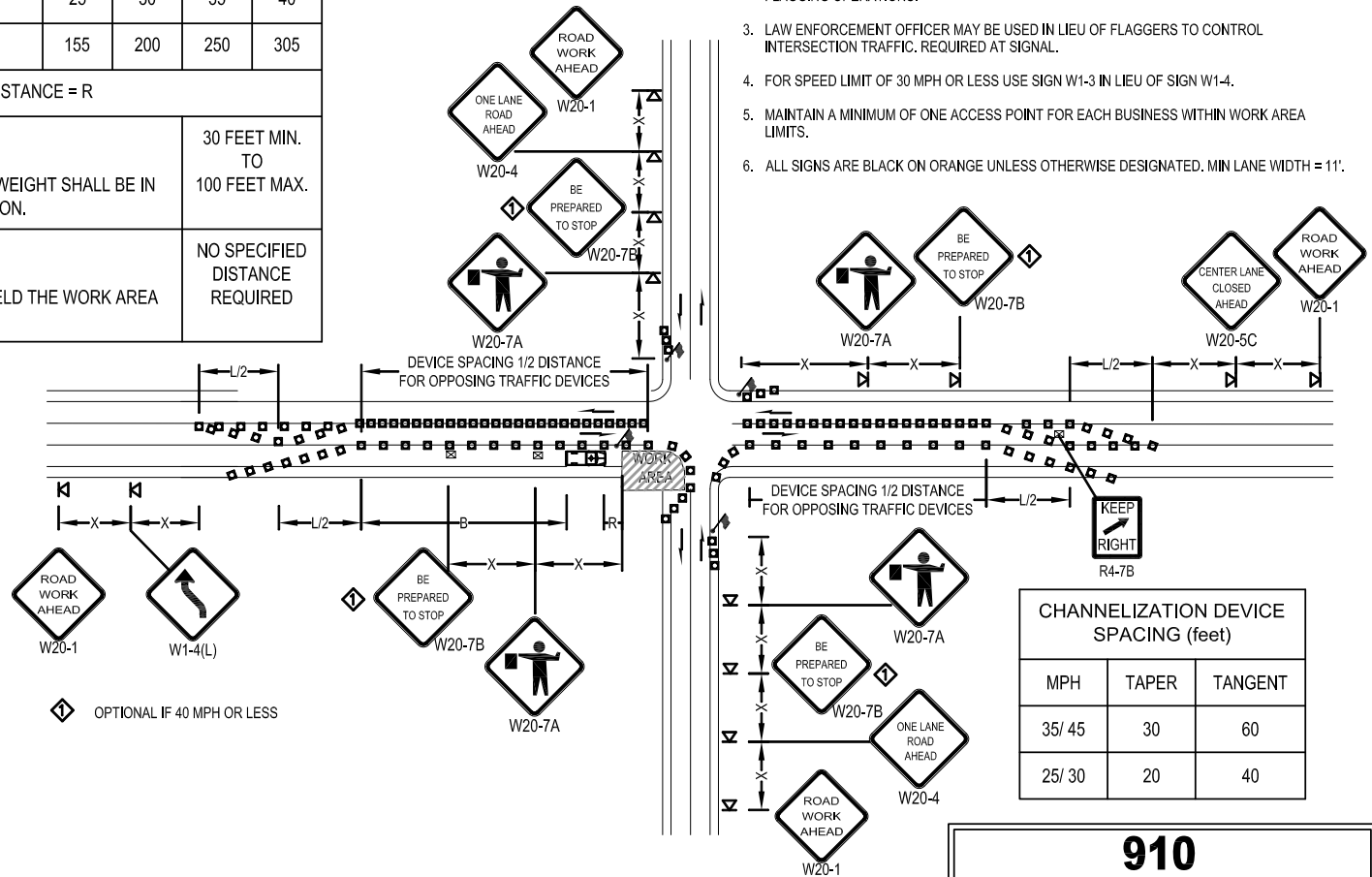
Revision Date
April 2017

NOT TO SCALE

BUFFER DATA				
LONGITUDINAL BUFFER SPACE = B				
SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305
BUFFER VEHICLE ROLL AHEAD DISTANCE = R				
TRANSPORTABLE ATTENUATOR		30 FEET MIN. TO 100 FEET MAX.		
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.				
PROTECTIVE VEHICLE		NO SPECIFIED DISTANCE REQUIRED		
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA				

MINIMUM TAPER LENGTH = L (feet)				
LANE WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320

- LEGEND**
-  **FLAGGING STATION**
-  **TEMPORARY SIGN LOCATION**
-  **CHANNELIZING DEVICES**
-  **PROTECTIVE VEHICLE - RECOMMENDED**
-  **TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)**




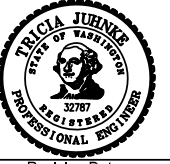
- NOTES:
1. RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
 2. IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
 3. LAW ENFORCEMENT OFFICER MAY BE USED IN LIEU OF FLAGGERS TO CONTROL INTERSECTION TRAFFIC. REQUIRED AT SIGNAL.
 4. FOR SPEED LIMIT OF 30 MPH OR LESS USE SIGN W1-3 IN LIEU OF SIGN W1-4.
 5. MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
 6. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED. MIN LANE WIDTH = 11'.

SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'± (2)
URBAN STREETS	25 MPH OR LESS	100'± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		

910

Intersection Lane Closure -

Three Lane Roadway

Public Works

NOT TO SCALE

Revision Date
April 2017

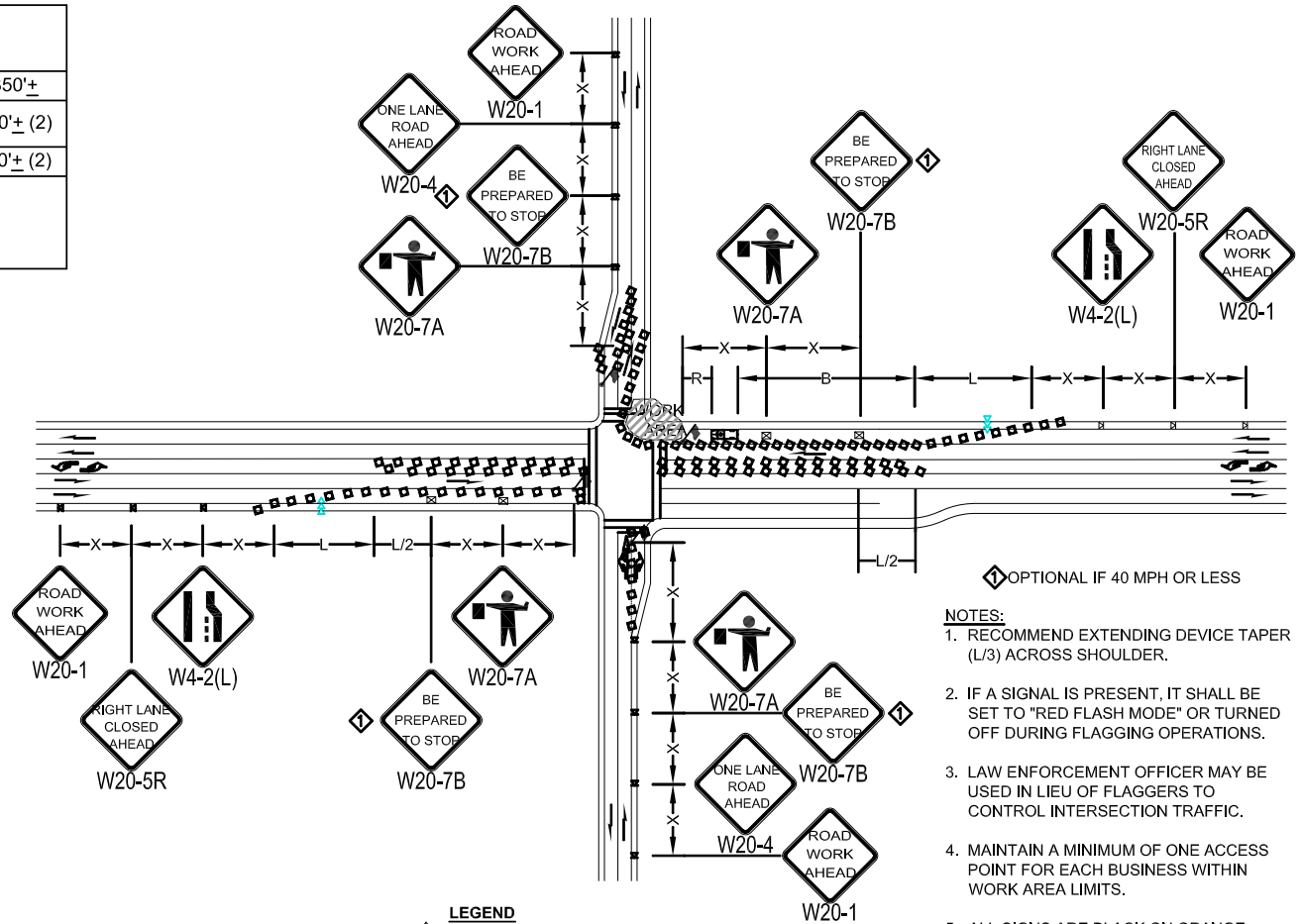
SIGN SPACING = X (1)

RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'+
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'+ (2)
URBAN STREETS	25 MPH OR LESS	100'+ (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM TAPER LENGTH = L (feet)

LANE WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320



OPTIONAL IF 40 MPH OR LESS

NOTES:

1. RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
2. IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
3. LAW ENFORCEMENT OFFICER MAY BE USED IN LIEU OF FLAGGERS TO CONTROL INTERSECTION TRAFFIC.
4. MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
5. ALL SIGNS ARE BLACK ON ORANGE.

LEGEND FLAGGING STATION

- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- SEQUENTIAL ARROW SIGN
- PROTECTIVE VEHICLE - RECOMMENDED
- TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
35/ 45	30	60
25/ 30	20	40

BUFFER DATA

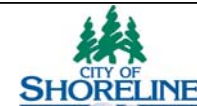
LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305

BUFFER VEHICLE ROLL AHEAD DISTANCE = R

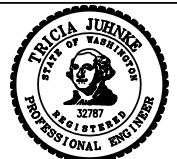
TRANSPORTABLE ATTENUATOR	30 FEET MIN. TO 100 FEET MAX.
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	
PROTECTIVE VEHICLE	NO SPECIFIED DISTANCE REQUIRED
MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA	

911 Intersection Lane Closure - Five Lane Roadway



Public Works

NOT TO SCALE



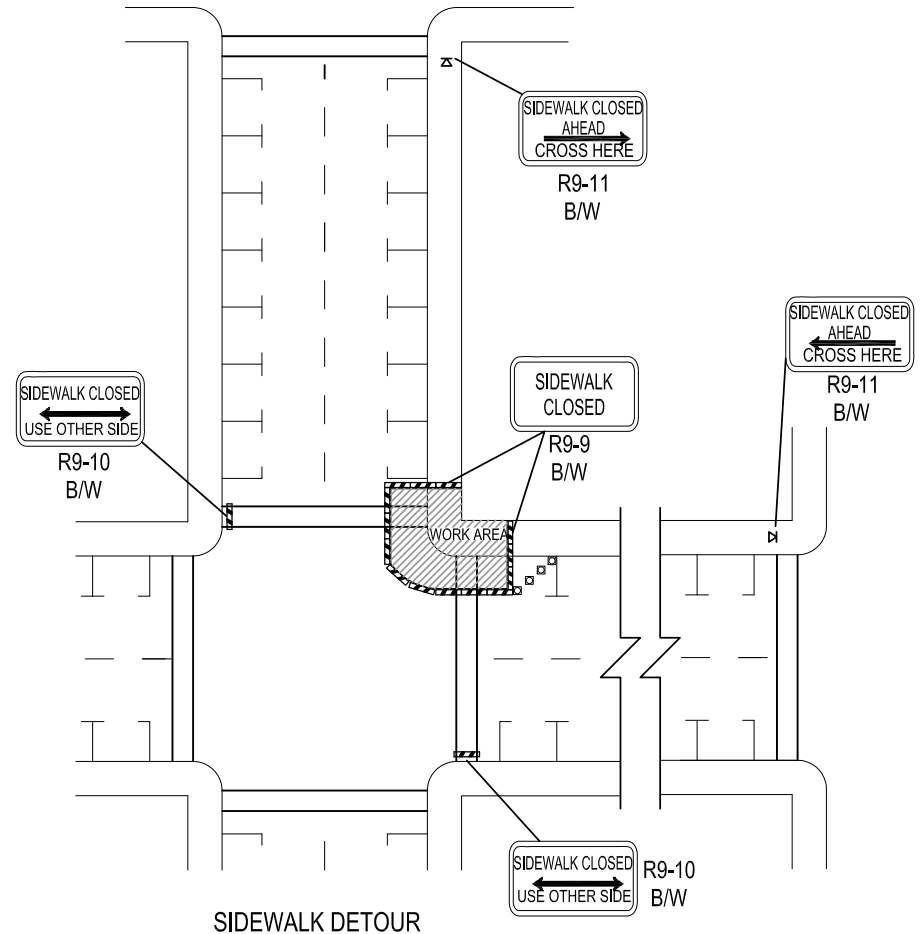
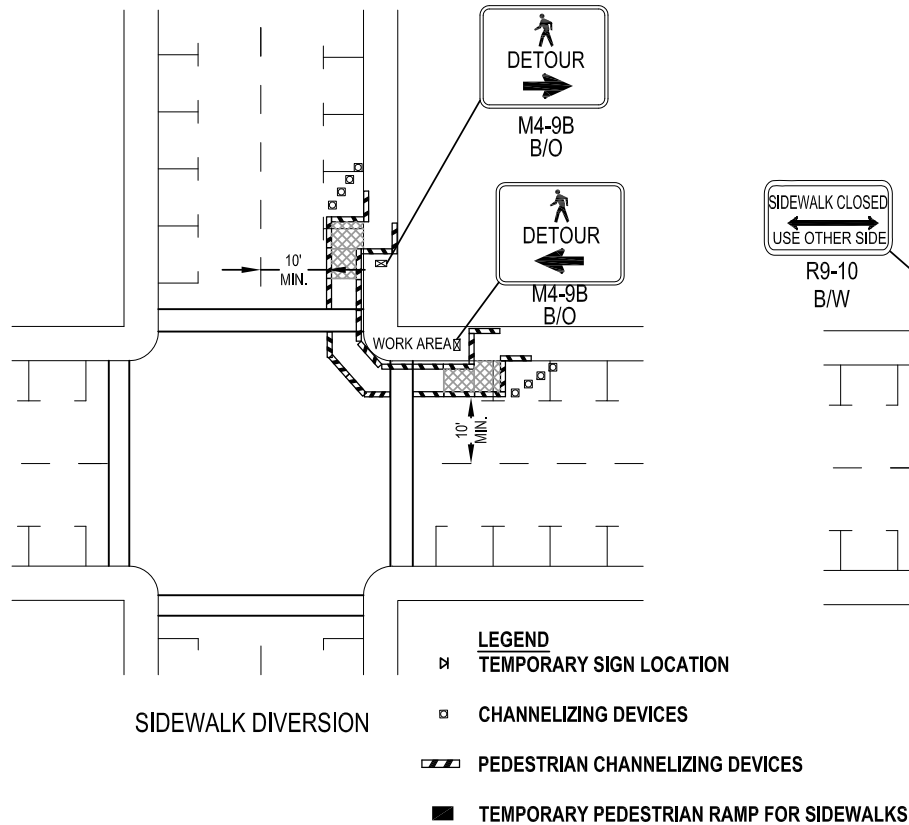
Revision Date
April 2017

**NO
PARKING**

R8-3 **INSTALL ON TYPE 2 BARRICADES THROUGHOUT THE WORK AREA**

R/W **24 HOURS PRIOR TO IMPLEMENTING TRAFFIC CONTROL.**

PRIOR NOTIFICATION OF LOCAL LAW ENFORCEMENT REQUIRED.



NOTES:

1. CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.
2. A 60" PEDESTRIAN PATH WIDTH SHOULD BE MAINTAINED (48" IS THE MINIMUM).
3. CONTACT AND COORDINATE IMPACTED TRANSIT AGENCIES PRIOR TO IMPLEMENTING ANY CLOSURES.
4. SEE SHEET TC-52 FOR TEMPORARY PEDESTRIAN RAMP DETAILS.
5. ADA PEDESTRIAN FACILITIES MUST BE MAINTAINED, SEE STANDARD SPECIFICATION 1-10.2(1)B.
6. TEMPORARY PEDESTRIAN PUSH BUTTONS SHALL BE PLACED ON THE DIVERTED PATH WHEN EXISTING BUTTONS ARE NOT ACCESSIBLE TO PEDESTRIANS.

912

Intersection Pedestrian Traffic Control

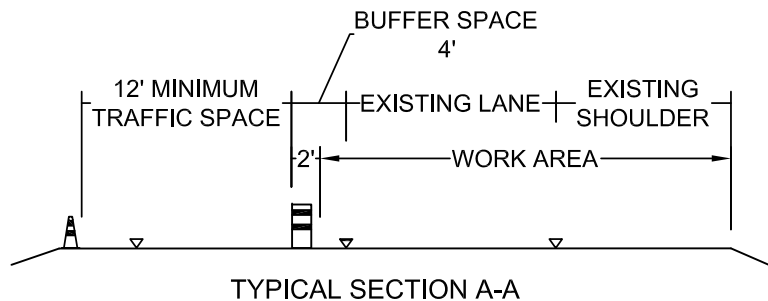
**CITY OF
SHORELINE**

Public Works

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STATE OF WASHINGTON
REGISTERED
32787
PROFESSIONAL ENGINEER

NOT TO SCALE

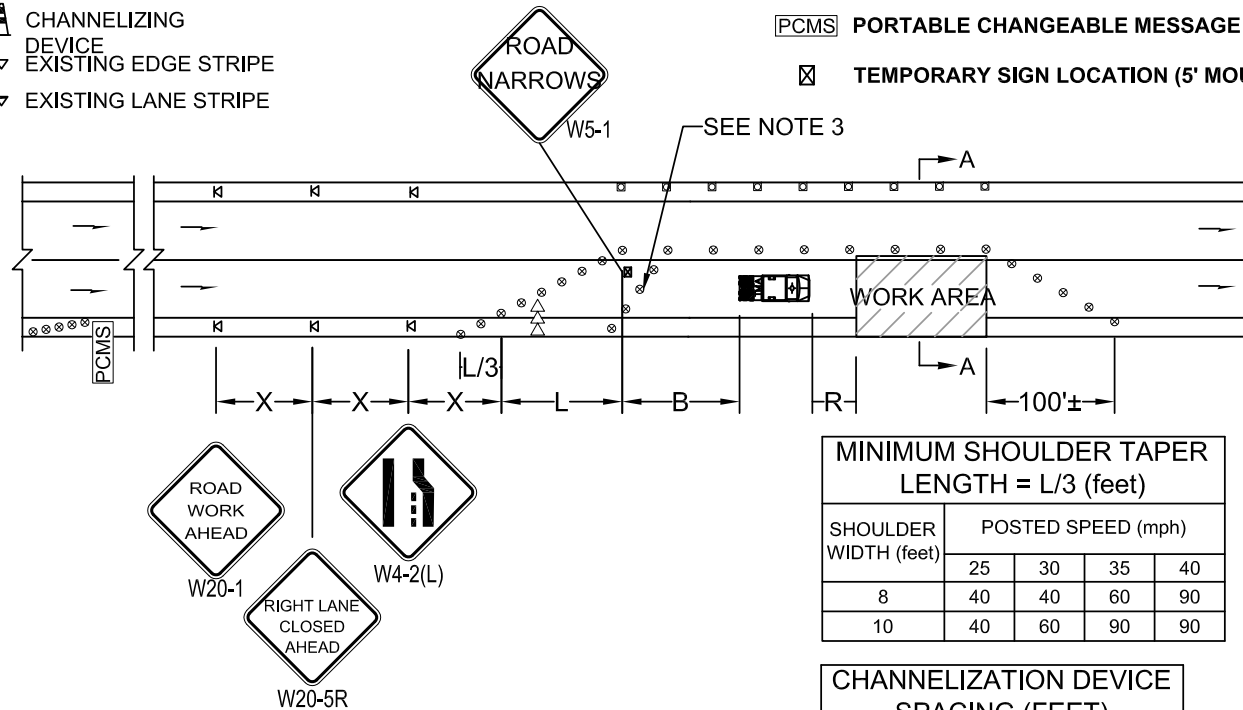
Revision Date
April 2017



- LEGEND**
- TEMPORARY SIGN LOCATION**
 - CHANNELIZING DEVICES**
 - TRAFFIC SAFETY DRUM**
 - SEQUENTIAL ARROW SIGN**
 - PORTABLE CHANGEABLE MESSAGE SIGN**
 - TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)**

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)				
LANE WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320

- CHANNELIZING DEVICE**
- EXISTING EDGE STRIPE**
- EXISTING LANE STRIPE**



- NOTES:**
- CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.
 - A 60" PEDESTRIAN PATH WIDTH SHOULD BE MAINTAINED (48" IS THE MINIMUM).
 - CONTACT AND COORDINATE IMPACTED TRANSIT AGENCIES PRIOR TO IMPLEMENTING ANY CLOSURES.
 - SEE SHEET TC-52 FOR TEMPORARY PEDESTRIAN RAMP DETAILS.
 - ADA PEDESTRIAN FACILITIES MUST BE MAINTAINED, SEE STANDARD SPECIFICATION 1-10.2(1)B.
 - TEMPORARY PEDESTRIAN PUSH BUTTONS SHALL BE PLACED ON THE DIVERTED PATH WHEN EXISTING BUTTONS ARE NOT ACCESSIBLE TO PEDESTRIANS.

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)				
SHOULDER WIDTH (feet)	POSTED SPEED (mph)			
	25	30	35	40
8	40	40	60	90
10	40	60	90	90

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35/ 45	30	60
25/ 30	20	40

BUFFER DATA				
LONGITUDINAL BUFFER SPACE = B				
SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305
BUFFER VEHICLE ROLL AHEAD DISTANCE = R				
TRANSPORTABLE ATTENUATOR			30 FEET MIN TO 100 FEET MAX	
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION				

SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'± (2)
URBAN STREETS	25 MPH OR LESS	100'± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.		
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		

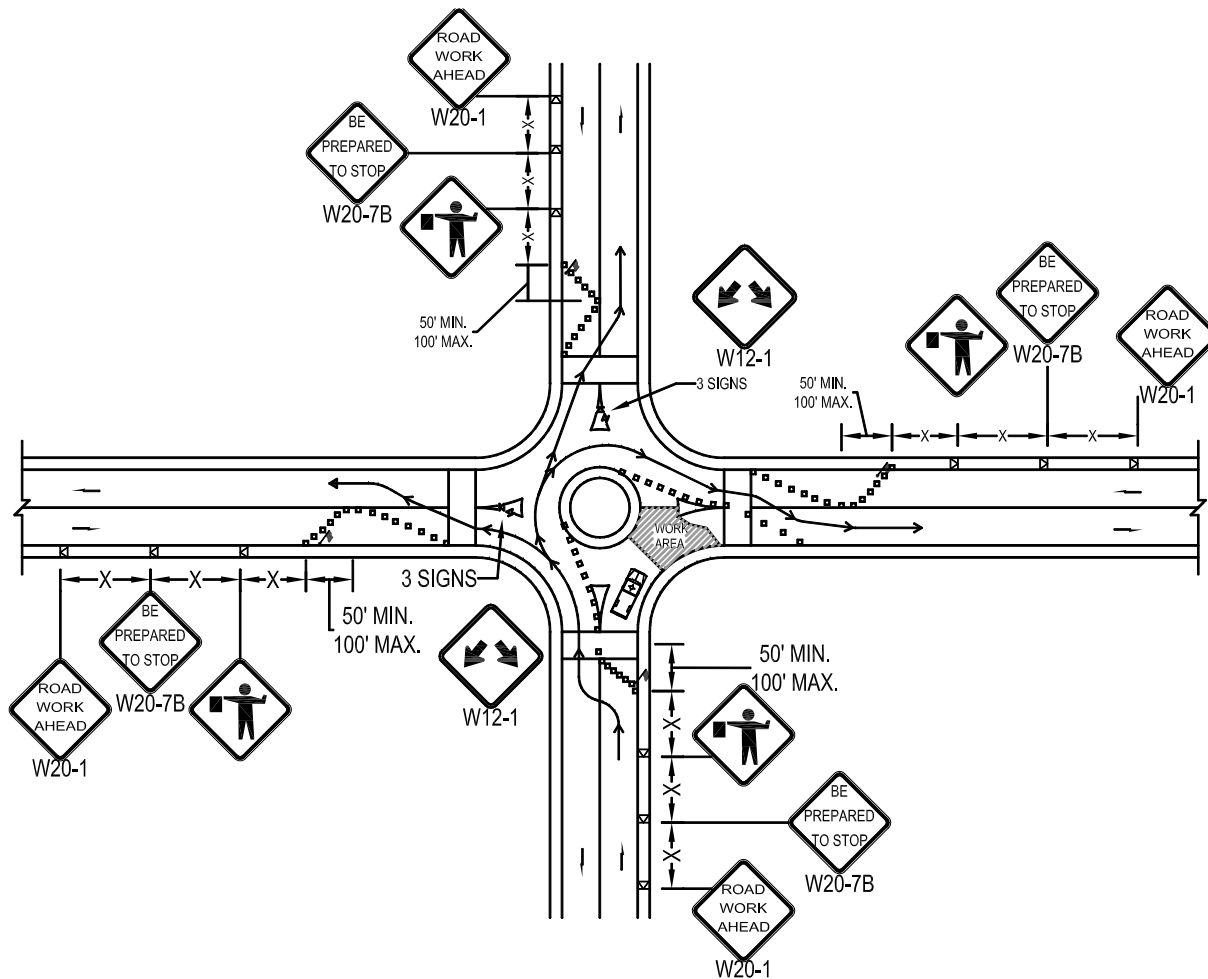
913

Single-lane Closure with Shift

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NOTES:

1. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS, SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
2. PROTECTIVE VEHICLE RECOMMENDED - MAY BE A WORK VEHICLE.
3. TYPICAL APPLICATION SHOWN, ADJUST FOR SITE CONDITIONS.

LEGEND

- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE - RECOMMENDED

SIGN SPACING = X (1)

RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'+
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'+ (2)
URBAN STREETS	25 MPH OR LESS	100'+ (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
35/ 45	30	60
25/ 30	20	40

914 Typical Roundabout Flagging Operation



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